

## ABSTRACT AMENDMENTS

Disclosed is a method of diagnosing the chances of pregnancy and the diagnostic kit for the method. In the present invention, follicular fluid is retrieved from the women who attended the in vitro fertilization program and matrix metalloproteinase MMP activity is measured. According to the present invention, the chance of pregnancy in the group with low MMPmatrix metalloproteinase-9 activity is zero whereas in the group with high MMP-matrix metalloproteinase -9 activity, the chances are 50-60%. Therefore it is possible to predict the chances of pregnancy in ART assisted reproduction technology by measuring the degree of MMPmatrix metalloproteinase -9 expression by using the method and kit of the present invention enhancing the efficiency of ART-assisted reproduction technology.